## ABSTRACT

It is an object of the present invention to provide a liquid composition which comprises an acid/acid salt group-containing polymer and from which cured articles excellent in mechanical characteristics and undergoing only slight dimensional changes depending on the moisture content can be produced by application thereof to a substrate or impregnation of a porous material therewith.

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The present invention relates to a fluoropolymer liquid composition comprising a fluoropolymer liquid (A) which comprises a liquid medium and a crosslinkable functional group-containing crosslinkable fluoropolymer,

wherein said fluoropolymer liquid (A) is a fluoropolymer liquid dispersion (AD) having, dispersed in a liquid dispersion medium, particles of a crosslinkable fluoropolymer (PD) containing acid/acid salt groups or organic groups capable of undergoing hydrolysis and thus being converted to carboxyl groups, or a fluoropolymer solution (AS) having, dissolved in a fluorosolvent or an alcohol/water mixed solvent, a crosslinkable fluoropolymer (PS) containing acid/acid salt groups or acid/acid salt groups precursors;

said acid/acid salt groups are sulfonic acid groups, carboxyl groups or groups of the formula  $-\mathrm{SO_2NR^2R^3}$ ,  $-\mathrm{SO_3NR^4R^5R^6R^7}$ ,  $-\mathrm{SO_3M^1}_{1/L}$ ,  $-\mathrm{COONR^8R^9R^{10}R^{11}}$  or  $-\mathrm{COOM^2}_{1/L}$ , wherein  $\mathrm{R^2}$  represents a hydrogen atom or  $\mathrm{M^5}_{1/L}$ ,  $\mathrm{R^3}$  represents an alkyl group or an sulfonyl-containing group,  $\mathrm{R^4}$ ,  $\mathrm{R^5}$ ,  $\mathrm{R^6}$ ,  $\mathrm{R^7}$ ,  $\mathrm{R^8}$ ,  $\mathrm{R^9}$ ,  $\mathrm{R^{10}}$  and  $\mathrm{R^{11}}$  are the same or different and each represents a hydrogen atom or an alkyl group, and  $\mathrm{M^1}$ ,  $\mathrm{M^2}$  and  $\mathrm{M^5}$  each represents a metal having a valence of L, said metal having a valence of L being a metal belonging to the group 1, 2, 4, 8, 11, 12 or 13 of the periodic table; and

said acid/acid salt groups precursors are  $-SO_2F$ ,  $-SO_2NR^{22}R^{23}$  (wherein  $R^{22}$  and  $R^{23}$  are the same or different and

each represents an alkyl group) or organic groups capable of undergoing hydrolysis and thus being converted to carboxyl groups.